

Amendment to the Claims

Please amend the claims as follows. This listing of claims replaces all prior versions and listings of claims in the application. Claims 40, 78, 84, and 90 have been amended.

Listing of Claims

1-39. (Cancelled).

40. (Currently Amended) An intraluminal support device for providing support to a body vessel, comprising:

a support frame comprising a tubular structure having one or more circumferentially wrapped frame threads, the support frame having a length and a substantially uniform circumference comprising a full circle; and

a graft material laying on an outer surface of a portion of the support frame and spanning at least a portion of the length, the graft material thereby covering the portion of the support frame contacting the graft material, the graft material extending only a partial distance along the circumference of the support frame, said partial distance being at least about $\frac{1}{4}$, of the circumference;

wherein said graft material is secured to said support frame by folding one end of said graft material around one of said frame threads and along an inner surface of the support frame thereby having an area of double thickness of two layers of said same graft material and affixing said two layers to each other without connecting said graft material to said one of said frame threads and folding an opposite end of said graft material around another of said frame threads and along the inner surface of the support frame thereby having an area of double thickness of two layers of said graft material and affixing said two layers to each other without connecting said graft material to said another of said frame threads, said two layers remaining affixed to each other even after said intraluminal support device is deployed in said body vessel.

41. (Previously Presented) The intraluminal support device of claim 40, wherein said tubular structure is formed by a single frame thread.

42. (Previously Presented) The intraluminal support device of claim 41, wherein said frame thread is wound to form a plurality of ring segments connected by a plurality of curved regions.

43. (Previously Presented) The intraluminal support device of claim 42, wherein adjacent curved regions extend beyond each other such that adjacent ring segments are interleaved.

44. (Previously Presented) The intraluminal support device of claim 40, wherein said one or more frame threads are connected to a longitudinal support.

45. (Previously Presented) The intraluminal support device of claim 44, wherein said one or more frame threads comprise two opposing fingers, each finger including a distal end extending away from a base connected to said longitudinal support.

46. (Previously Presented) The intraluminal support device of claim 45, wherein said one or more frame threads are circumferentially wrapped around said longitudinal support.

47. (Previously Presented) The intraluminal support device of claim 46, wherein said one or more frame threads and said longitudinal support comprise a pattern formed from a seamless sheet of a biocompatible material.

48. (Cancelled).

49. (Previously Presented) The intraluminal support device of claim 40,

wherein said graft material extends from a first end to a second end of said support frame.

50. (Previously Presented) The intraluminal support device of claim 40, wherein said graft material extends along a fractional length of said length of said support frame.

51-72. (Cancelled).

73. (Previously Presented) The intraluminal support device of claim 40, wherein said two layers of said graft material are connected to each other at said one end and said opposite end with sutures.

74. (Previously Presented) The intraluminal support device of claim 40, wherein said two layers of said graft material are connected to each other at said one end and said opposite end with adhesive.

75. (Previously Presented) The intraluminal support device of claim 40, wherein the one end and the opposite end of the graft material are each folded and connected around a single frame thread portion to secure the graft material to the support frame.

76. (Previously Presented) The intraluminal support device of claim 40, further comprising first and second radiopaque markers disposed on the one or more frame threads, the first radiopaque marker being positioned adjacent a first lateral edge of the graft material and the second radiopaque marker being positioned adjacent a second lateral edge of the graft material.

77. (Previously Presented) The intraluminal support device of claim 76, further comprising a third radiopaque marker disposed on the one or more frame

threads, the third radiopaque marker being positioned between the first and second radiopaque markers and adjacent the graft material.

78. (Currently Amended) An intraluminal support device for providing support to a body vessel, comprising:

a support frame comprising a tubular structure formed of a single frame thread circumferentially wrapped to form a plurality of ring segments connected by a plurality of curved regions, adjacent curved regions extending beyond each other such that the adjacent ring structures are interleaved, the support frame having a length and a substantially uniform circumference comprising a full circle; and

a graft material laying on an outer surface of a portion of the support frame and spanning at least a portion of the length, the graft material thereby covering the portion of the support frame contacting the graft material, the graft material extending only a partial distance along the circumference of the support frame, said partial distance being at least about $\frac{1}{4}$, of the circumference;

wherein said graft material is secured to said support frame by folding one end of said graft material around one of said frame threads and along an inner surface of the support frame thereby having an area of double thickness of two layers of said same graft material and affixing said two layers to each other without connecting said graft material to said one of said frame threads and folding an opposite end of said graft material around another of said frame threads and along the inner surface of the support frame thereby having an area of double thickness of two layers of said graft material and affixing said two layers to each other without connecting said graft material to said another of said frame threads, said two layers remaining affixed to each other even after said intraluminal support device is deployed in said body vessel.

79. (Previously Presented) The intraluminal support device of claim 78,

wherein the one end and the opposite end of the graft material are each folded and connected around a single frame thread portion to secure the graft material to the support frame.

80. (Previously Presented) The intraluminal support device of claim 78, wherein said graft material extends from a first end to a second end of said support frame.

81. (Previously Presented) The intraluminal support device of claim 78, wherein said graft material extends along a fractional length of said length of said support frame.

82. (Previously Presented) The intraluminal support device of claim 78, further comprising first and second radiopaque markers disposed on the frame thread, the first radiopaque marker being positioned adjacent a first lateral edge of the graft material and the second radiopaque marker being positioned adjacent a second lateral edge of the graft material.

83. (Previously Presented) The intraluminal support device of claim 82, further comprising a third radiopaque marker disposed on the frame thread, the third radiopaque marker being positioned between the first and second radiopaque markers and adjacent the graft material.

84. (Currently Amended) An intraluminal support device for providing support to a body vessel, comprising:

a support frame comprising a tubular structure formed of one or more frame threads connected to a longitudinal support and comprising two opposing fingers, each finger including a distal end extending away from a base connected to the longitudinal support, the fingers being circumferentially wrapped around the longitudinal support, the support frame having a length and a substantially uniform circumference comprising a full circle; and

a graft material laying on an outer surface of a portion of the support frame and spanning at least a portion of the length, the graft material thereby covering the portion of the support frame contacting the graft material, the graft material extending only a partial distance along the circumference of the support frame, said partial distance being at least about $\frac{1}{4}$, of the circumference;

wherein said graft material is secured to said support frame by folding one end of said graft material around one of said frame threads and along an inner surface of the support frame thereby having an area of double thickness of two layers of said same graft material and affixing said two layers to each other without connecting said graft material to said one of said frame threads and folding an opposite end of said graft material around another of said frame threads and along the inner surface of the support frame thereby having an area of double thickness of two layers of said graft material and affixing said two layers to each other without connecting said graft material to said another of said frame threads, said two layers remaining affixed to each other even after said intraluminal support device is deployed in said body vessel.

85. (Previously Presented) The intraluminal support device of claim 87, wherein the one end and the opposite end of the graft material are each folded and connected around a single frame thread portion to secure the graft material to the support frame.

86. (Previously Presented) The intraluminal support device of claim 84, wherein said graft material extends from a first end to a second end of said support frame.

87. (Previously Presented) The intraluminal support device of claim 84, wherein said graft material extends along a fractional length of said length of said support frame.

88. (Previously Presented) The intraluminal support device of claim 84, further comprising first and second radiopaque markers disposed on the one or more frame threads, the first radiopaque marker being positioned adjacent a first lateral edge of the graft material and the second radiopaque marker being positioned adjacent a second lateral edge of the graft material.

89. (Previously Presented) The intraluminal support device of claim 88, further comprising a third radiopaque marker disposed on the one or more frame threads, the third radiopaque marker being positioned between the first and second radiopaque markers and adjacent the graft material.

90. (Currently Amended) An intraluminal support device for providing support to a body vessel, comprising:

- a support frame comprising a tubular structure formed of one or more frame threads, the support frame having a length;

- a graft material disposed on a portion of the support frame and spanning at least a portion of the length, the graft material extending only a partial distance along a circumference of the support frame, said partial distance being at least about $\frac{1}{4}$, of the circumference;

- first and second radiopaque markers disposed on the one or more frame threads, the first radiopaque marker being positioned adjacent a first lateral edge of the graft material and the second radiopaque marker being positioned adjacent a second lateral edge of the graft material: and

- a third radiopaque marker disposed on the one or more frame threads, the third radiopaque marker being positioned between the first and second radiopaque markers and adjacent the graft material,

- wherein said graft material is secured to said support frame by folding one end of said graft material around one of said frame threads and along an inner surface of the support frame thereby having an area of double thickness of two layers of said same graft material and affixing said two layers to each other without connecting said graft material to said one of said frame threads and

folding an opposite end of said graft material around another of said frame threads and along the inner surface of the support frame thereby having an area of double thickness of two layers of said graft material and affixing said two layers to each other without connecting said graft material to said another of said frame threads, said two layers remaining affixed to each other even after said intraluminal support device is deployed in said body vessel.

91. (Cancelled).